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TI Phenolic resin compositions

PA Sumitomo Bakelite Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC C08L061-06; C08K003-22; C08K003-30; C08K005-20

CC 37-6 (Plastics Manufacture and Processing)

FAN.CNT 1

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	JP 62055550	B4	19871120		

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AB Al(OH)₃ can be added as a flame retardant to phenolic resol compn. without interfering with the crosslinking reaction if it is combined with gypsum in a ratio of 0.5-0.40:1. Resol phenolic resin 100, water 10, gypsum 100, Al(OH)₃ 15, and 60% aq. p-toluenesulfonic acid curing catalysts 15 parts were mixed and applied to a 300-g/m² glass fiber mat, left overnight at 15.degree., then heated to 50.degree. for 2 h to obtain a reinforced plate apprx. 3-mm thick, which past the Japanese Transport Ministry flammability test.

ST aluminum hydroxide fireproofer phenolic resin; resol flame retardant aluminum hydroxide; gypsum aluminum hydroxide flame retardant; calcium sulfate aluminum hydroxide fireproofer

IT Fireproofing agents
(aluminum hydroxide-gypsum mixts., for